

<b>Notice of Allowability</b>	Application No.	Applicant(s)	
	09/765,272	CHOI ET AL.	
	Examiner	Art Unit	

Patricia A. Duffy

1645

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to After final response of 3-26-04.
2.  The allowed claim(s) is/are 18, 24-32, 35, 40-47, 74-78 renumbered 1-24 respectively.
3.  The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\* c)  None of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other 892.

*Patricia A. Duffy*  
 Patricia A. Duffy  
 Primary Examiner  
 Art Unit: 1645

**EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mark Hyman on June 21, 2004.

The application has been amended as follows:

*In the claims:*

Canceled claims 19 and 36-39.

Replace existing claims 24 and 35 with amended claims 24 and 35 respectively.

--Claim 24. (currently amended) An isolated polynucleotide consisting of comprising a nucleic acid sequence which encodes the amino acid sequence of SEQ ID NO:66.--

--Claim 35. (currently amended) An isolated polynucleotide consisting of a nucleic acid sequence encoding amino acid residues Pro-329 to Glu-364 of the amino acid sequence of SEQ ID NO:66 wherein ~~said fragment comprises the an amino acid sequence selected from the group consisting of:~~

(a) Gly 11 to Arg 19;

- (b) ~~Ile 23 to Lys 31;~~
- (c) ~~His 145 to Asn 151;~~
- (d) ~~Gln 159 to Asp 166;~~
- (e) ~~Ile 175 to Asp 181;~~
- (f) ~~Gly 213 to Tyr 225;~~
- (g) ~~Ile 283 to Val 291;~~
- (h) ~~Pro 329 to Glu 364;~~
- (i) ~~Arg 372 to Ser 386;~~
- (j) ~~Thr 421 to Phe 430;~~
- (k) ~~Leu 445 to Val 453;~~
- (l) ~~Ile 486 to Ala 497; and~~
- (m) ~~Asp 524 to Ala 535.--~~

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia A. Duffy whose telephone number is 571-272-0855. The examiner can normally be reached on M-F 6:30 pm - 3:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynette Smith can be reached on 571-272-0864. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*Patricia A. Duffy*  
Patricia A. Duffy  
Primary Examiner  
Art Unit 1645